



Form PTO-1449

(MODIFIED)

U.S. DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

072827-1801

SERIAL NO.

09/679,664

APPLICANT

Thomas B. Stormann et. al

FILING DATE

10/03/2000

GROUP ART UNIT

~~1632~~ 1647

(Use several sheets if necessary)

INFORMATION DISCLOSURE CITATION

## FOREIGN PATENT DOCUMENTS

[illegible]

**EXAMINER**

DATE CONSIDERED

7/11/02

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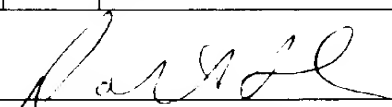
Form PTO-1449 (MODIFIED) JUN 25 2001	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 072827- 1801	SERIAL NO. 09/679,664
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

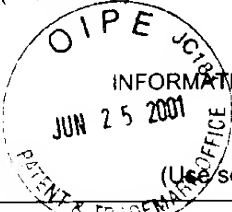

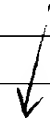

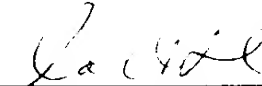
BL	A31	Brown E. M. et al., "Cloning and Characterization of an Extracellular Ca <sup>2+</sup> -Sensing Receptor From Bovine Parathyroid," <i>Nature</i> 366:575 (1993).
BL	A32	C.J. Marcus-Sekura and M.J.M. Hitchcock, "Guide to Molecular Cloning Techniques," <i>Methods in Enzymology</i> , Vol. 152 (1987).
BL	A33	Conklin, et al., "Substitution of Three Amino Acids Switches Receptor Specificity of G <sub>q</sub> to That of G <sub>i</sub> ," <i>Nature</i> , 363:274-277 (1993)
BL	A34	Cotecchia et al., "Regions of the $\alpha_1$ -Adrenergic Receptor Involved in Coupling to Phosphatidylinositol Hydrolysis and Enhanced Sensitivity of Biological Function," <i>Proc. Natl. Acad. Sci., USA</i> 87:2896-2900 (1990).
BL	A35	Cunningham et al., "Excitatory Amino Acid Receptors: A Gallery of New Targets for Pharmacological Intervention," <i>Life Sci.</i> 54:135 (1994).
BL	A36	<i>Current Protocols in Molecular Biology</i> , Frederick et al., John Wiley & Sons, Inc. (1995)
BL	A37	Duvoisin et al., "A Novel Metabotropic Glutamate Receptor Expressed in the Retina and Olfactory Bulb," <i>J. Neurosci.</i> 15:3075-3083 (1995).
	A38	Lindauer et al., "Molecular Cloning, Functional Expression and Pharmacological Characterization of the Human Metabotropic Glutamate Receptor Type Two," <i>Eur. J. Neuroscience</i> 7:622-629 (1995).
	A39	Garrett J.E., et al., "Molecular Cloning and Functional Expression of Human Parathyroid Calcium Receptor cDNAs," <i>J. Biol. Chem.</i> 31:12919-12925 (1995).
	A40	Hille, B., <i>Ionic Channels of Excitable Membranes</i> , pp.30-34, Sinauer Associates, Inc., Sunderland MA (1992).
	A41	Jones et al., "GABA <sub>B</sub> Receptors Function as a Heteromeric Assembly of the Subunits GABA <sub>B</sub> R1 and GABA <sub>B</sub> R2," <i>Nature</i> 396:674-679 (1998).
	A42	Kaupmann et al., "Expression Cloning of GABA <sub>B</sub> Receptors Uncovers Similarity to Metabotropic Glutamate Receptors," <i>Nature</i> , 386:239-246 (1997).
	A43	Kerr and Ong, "GABA <sub>B</sub> Receptors: Targets for Drug Development," <i>Drug Discovery Today</i> , 1:371-380 (1996).

EXAMINER L. C. H. [Signature]	DATE CONSIDERED 7/11/02
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
PL                     	A44	Knopf et al., "Metabotropic Glutamate Receptors: Novel Targets for Drug Development," <i>J. Med. Chem.</i> 38:1417 (1995).	
	A45	Kobilka et al., "Chimeric $\alpha 2$ - $\beta 2$ -Adrenergic Receptors: Delineation of Domains Involved in Effector Coupling And Ligand Binding Specificity," <i>Science</i> 240:1310-1316 (1988).	
	A46	Lechleiter, "Distinct Sequence Elements Control the Specificity of G Protein Activation by Muscarinic Acetylcholine Receptor Subtypes," <i>EMBO J.</i> 9:4381-4390 (1990).	
	A47	Nakanishi, "Metabotropic Glutamate Receptors: Synaptic Transmission, Modulation, and Plasticity," <i>Neuron</i> 13:1031 (1994).	
	A48	Nemeth, "Ca <sup>2+</sup> Receptor-Dependent Regulation of Cellular Functions," <i>NIPS</i> 10:1-5 (1995)	
	A49	Pin et al., "Domains Involved in the specificity of G Protein Activation in Phospholipase C-coupled Metabotropic Glutamate Receptors," <i>EMBO J.</i> 13:342-348 (1994).	
	A50	Pin and Duvoisin, "Review: Neurotransmitter Receptors I. The Metabotropic Glutamate Receptors: Structure and Functions," <i>Neuropharmacology</i> , 34:1 (1995)	
	A51	<i>Remington's Pharmaceutical Sciences</i> , 18th ed., Mack Publishing Co., Easton PA (1990).	
	A52	Riccardi D., et al., "Cloning and Functional Expression of a Rat Kidney Extracellular Calcium/Polyvalent Cation-sensing Receptor," <i>Proc. Nat'l Acad. Sci. USA</i> 92:131-135 (1995).	
	A53	Sambrook et al., <i>Molecular Cloning</i> , Cold Spring Harbor Laboratory Press, (1989) Chapter 15.	
	A54	Schoepp et al., "Pharmacological and Functional Characteristics of Metabotropic Excitatory amino Acid Receptors," <i>Trends Pharmacol. Sci.</i> 11:508 (1990).	
	A55	Schoepp and Conn, "Metabotropic Glutamate Receptors in Brain Function and Pathology," <i>Trends Pharmacol. Sci.</i> 14:13 (1993).	
A56	Schoepp, "Novel Functions for Subtypes of Metabotropic Glutamate Receptors," <i>Neurochem. Int.</i> 24:439 (1994).		
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U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	A1	4,859,609	08/22/89	Dull et al.	436	501		
	A2	5,030,576	07/09/91	Dull et al.	435	69.7		
	A3	5,385,831	01/31/95	Mulvihill et al.	435	69.1		
	A4	5,688,938	11/18/97	Brown et al.	536	23.5		
	A5	5,831,047	11/03/98	Segerson et al.	536	23.1		
	A6	5,981,195	11/09/99	Fuller et al.	435	7.1		
	A7	6,051,688	04/18/00	Stormann et al.	530	350		
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	A10	97/05252	13.02.97	WO/PCT (Fuller et al.)				
	A11	97/46675	11.12.97	WO/PCT (Kaupmann et al.)				
	A12	97/37967	16.10.97	WO/PCT (Van Wagenen)				
	A13	92/10583	25.06.92	WO/PCT (Mulvihill et al.)				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	A26	Altschul et al., "Basic Local Alignment Search Tool," <i>J. Mol. Biol</i> 215:403-410 (1990).						
	A27	Bertin et al., "Cellular Signaling by an Agonist-Activated Receptor/Gsa Fusion Protein," <i>Proc Acad. Sci. USA</i> 91:8827-831 (1994).						
	A28	Bertin et al., "Activation of a $\beta$ 2-Adrenergic Receptor/Gsa Fusion Protein Elicits a Desensitization-Resistant cAMP Signal Capable of Inhibiting Proliferation of Two Cancer ..." <i>Receptors and Channels</i> 5:41-51 (1997).						
	A29	Bittiger et al., "GABA $\beta$ Receptor Antagonists: From Synthesis to Therapeutic Applications," <i>TIPS</i> 14:391-394 (1993).						
	A30	Bowery, "GABA $\beta$ Receptor Pharmacology," <i>Annu. Rev. Pharmacol. Toxicol.</i> 33:109-147 (1993).						
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